

**Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only**

EFS ID: 77452

Application ID: 09920341 \*09920341\*

Title of Invention: METHODS FOR HIGH-PRECISION GAP  
AND ORIENTATION SENSING  
BETWEEN A TRANSPARENT  
TEMPLATE AND SUBSTRATE FOR  
IMPRINT LITHOGRAPHY

First Named Inventor: Byung Choi

Domestic/Foreign Application: Domestic Application

Filing Date: 2001-08-01

Effective Receipt Date: 2005-02-04

Submission Type: Information Disclosure Statement

Filing Type:

Confirmation number: 4146

Attorney Docket Number: PA17-07V06

Total Fees Authorized:

Digital Certificate Holder: cn=Kenneth C. Brooks,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: 7c049187b979e9891dfe5bc39828899ddb6f383a

**ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

**METHODS FOR HIGH-PRECISION GAP AND ORIENTATION  
SENSING BETWEEN A TRANSPARENT TEMPLATE AND  
SUBSTRATE FOR IMPRINT LITHOGRAPHY**

Application Number: 09/920341 \*09/920341\*  
Confirmation Number: 4146  
First Named Applicant: Byung Choi  
Attorney Docket Number: PA17-07V06  
Art Unit: 2877  
Examiner: Sang H. Nguyen  
Search string: ( 5414514 or 5808742 or 6522411 ).pn.

**US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5414514	1995-05-09	Smith et al.			
	2	5808742	1998-09-15	Everett et al.			
	3	6522411	2003-02-18	Moon et al.	B1		

**Signature**

Examiner Name

Date

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

## Title of Invention

METHODS FOR HIGH-PRECISION GAP AND ORIENTATION SENSING  
BETWEEN A TRANSPARENT TEMPLATE AND SUBSTRATE FOR  
IMPRINT LITHOGRAPHY

Application Number: 09/920341 \*09/920341\*

Date: 2001-08-01

First Named Applicant: Byung J. Choi

Confirmation Number: 4146

Attorney Docket Number: PA17-07V06

I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
Kenneth C. Brooks Registered Number: 38393	/kennethcbrooks/	Attorney

<b>Documents being submitted</b> us-ids	<b>Files</b> PA17-07V06_IDS-J-usidst.xml us-ids.dtd us-ids.xsl
<b>Comments</b>	